



Air Armament Summit Executive Summary

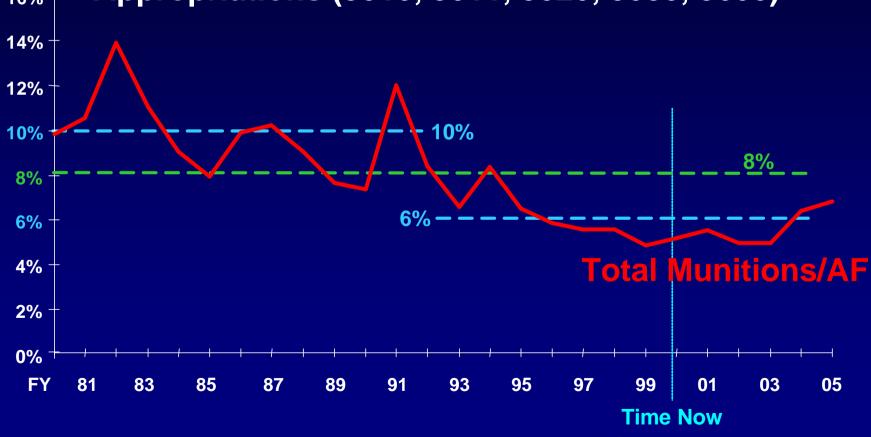
Col Rosanne Bailey Armament Product Group Manager



Munitions Funding vs AF Investment



Munitions Funding as a Percentage of AF Investment Appropriations (3010, 3011, 3020, 3080, 3600)



Weapon Investment At All Time Low





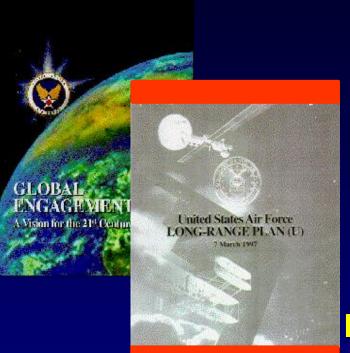
"if we want to be prepared for whatever lies around the next corner" we need "a balanced set of capabilities that can preserve our deterrence of nuclear war, that can remain dominant so as to deter large scale conventional war, and that can evolve gracefully to deal with those asymmetric but lesser threats to our nation's interests that are sure to arise. Can we afford less?"

General Richard E. Hawley, ACC/CC, 2/25/98



Air Force Long Range Planning





- **CSAF's Vision Under Review**
 - -- Changes Our Focus
 - -- Prebrief at Corona Fall
 - -- Due Out in Feb

Current Thom Range Plan New Themes: Integration of Air & Space Expeditionary Ethos Airman of Tomorrowents the Wision Integration Commitme Directive Statements pace Integration Increased Efficiency -- Focuses Into Action -- Focuses Into Action DIRECTIVE STATEMENTS

Information Operations

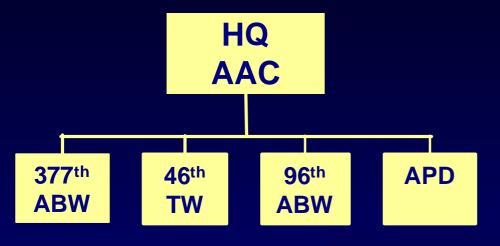
- 1. Integrating Adamament Summits
- **Future Space Operations**

- 13 Pret a Every tion Infrastructure
- Presence/Power Projection
- Information Operations of Range Basir Paris Information Operation Information Operation Information Informatio Information Operations



Air Armament Center Creation





Consolidate Weapons
Management Into a
Center of Excellence

- Development
- Acquisition
- Testing
- Sustainment



Cradle-to-Grave Management of All Air-Delivered Weapons



1999 Air Armament Summit Overview





Inaugural Gathering of Key Stake-Holders in the Air Armament Community From:

- Air Force, Army, Navy and Other Elements of the DoD
 - Industry
 - Academia
 - Summit Products







1999 Air Armament Summit Day 1- Key Speakers







1999 Air Armament Summit Day 1- Panel Discussions







1999 Air Armament Summit

Day 2 - Industry Brief/Executive Session





Industry Briefs

 Industry Perspective on the Future of Air Armaments



Raytheon

Executive Session

- Government Only
- Approve Annual Summit Process
- Approve Roadmaps
- Target % of TOA for Investment
- Strategy for FY02-07 POM
- Identify Policy Issues
- Theme for Next Year's Summit





Weapons Roadmap





Mid Term

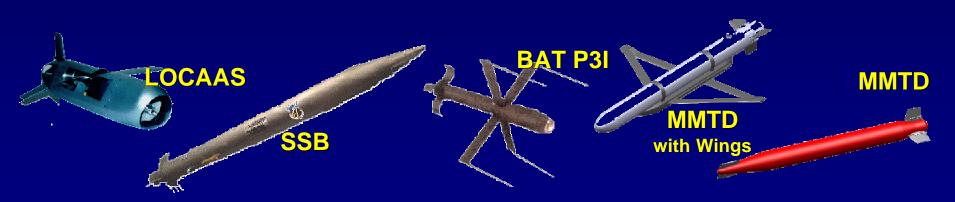
Far Term



Miniaturized Munitions



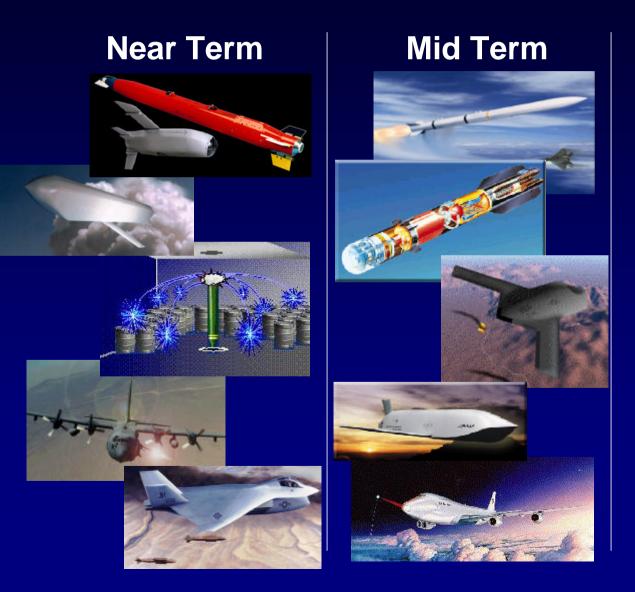
- Capitalizing on Small Smart Bomb and LOCAAS Laboratory Efforts
- AoA on Schedule -- Mid-term Briefing to AFROC Nov 99
- ACC's Modernization Planning Process (MPP) Ongoing
- Fixed and Relocatable Targets





Weapons Roadmap



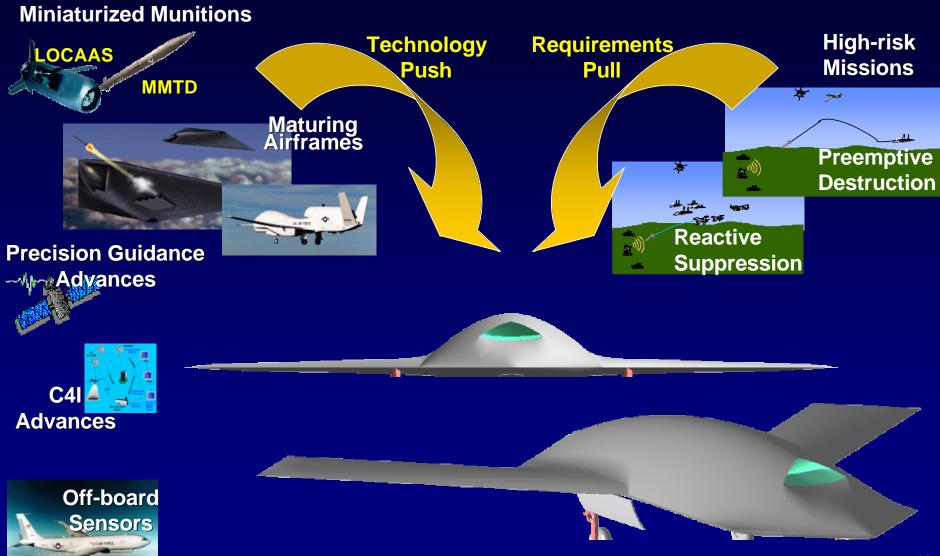


Far Term



Weaponized UAV Special Missions







Weapons Roadmap









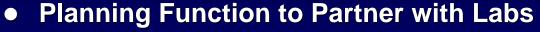


Directed Energy



New AAC DE Planning Directorate at Kirtland:

Technical Expertise at Kirtland Acquisition and Test Expertise at Eglin Assess Emerging Technologies From AFRL



- Initial Management of ACTDs
- AAC Cadre for Developmental Planning
 - LtC + 4 Engineers to Facilitate
 Transfer From Lab To SPO
 Complete in January
- Technology Push of DE Weaponization





Directed Energy



A Vision for Directed Energy:

Technology Demonstrators

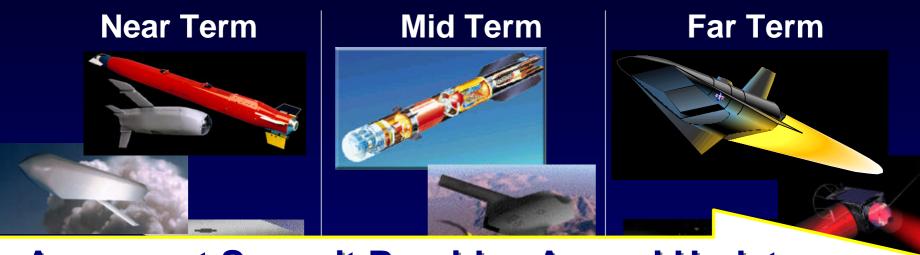
Provide Risk Reduction for UCAV,
Tactical Aircraft and Other
Applications





Weapons Roadmap

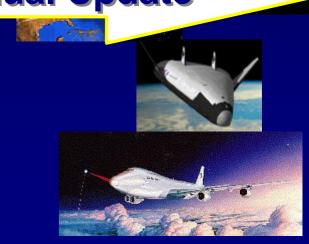




Armament Summit Provides Annual Update









Kosovo Lessons Learned

Changing Environment





Vietnam

- Multiple Aircraft
- Multiple Bombs

Desert Storm

- Single Aircraft
- Multiple Bombs





Kosovo

- Single Aircraft
- Fewer Bombs
- Less Collateral Damage



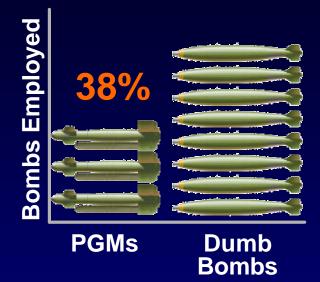
Kosovo Lessons Learned

Comparison





Kosovo





Inventory Constrained PGM Operational Use

Current Inventory
Suboptimal for
Warfighting Needs!



Kosovo Lessons Learned

Conduct Analyses of Recent Conflicts



- What Weapons Did We Plan to Use?
- What Weapons Have We Actually Used?
- How Well Did Weapons Perform?
- What Are the Lessons Learned?
- How Can We Adapt Existing Inventory?
- What Other Things Do We Need?
- What Opportunities Are Available?



- Sustain
- Replenish
- Acquire Additional
- Modify
- Dispose



Albania

Baghdad^{*}

Serbia

Macedonia

Kosovo

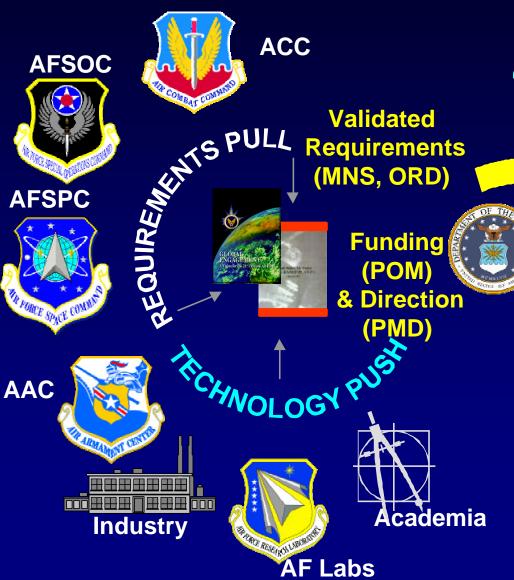
Plan For Future Inventory: MMs, Weaponized UAVs, DE





2000 Air Armament Summit 2nd Annual Summit





"Sustaining the Sword"
Spring 2000

Strategy Panels

- Integrated Armament Planning
- Agile Combat Support
- Armament Infrastructure: Logistics/Sustainment
- Armament Infrastructure: Test and Modeling
- Resources



2000 Air Armament Summit

2nd Annual Summit--Sustaining the Sword



Integrated Armament Planning

- Kosovo Lessons Learned
- Modernization Analyses
- Weapons Roadmap Extension
 - Inventory Management

Resources

- Financial Requirements
- Inventory Support Costs
- ACS Cost Estimates
- Test and Training Roadmaps

Armament Infrastructure:

Test and Modeling

- Virtual Environments
- Simulation-Based Acq
- Modernizing Test Ranges and Targets
- Survivability
- Armament Aging
- Workforce Shaping
- Training

Agile Combat Support

- eAF Issues
- Air Base Support Infrastructure
 - Civil Engineering (CE)
 - Surgeon General (SG)
 - Base Communication (SC)
 - Security Protection (SP)
 - Services (SV)

Armament Infrastructure:

Logistics/Sustainment

- Reduced Logistics Footprint
- Sustainment & Deployment Architectures
- Support Equipment
- Surveillance Testing
- Inventory Tracking
- Nuclear Support



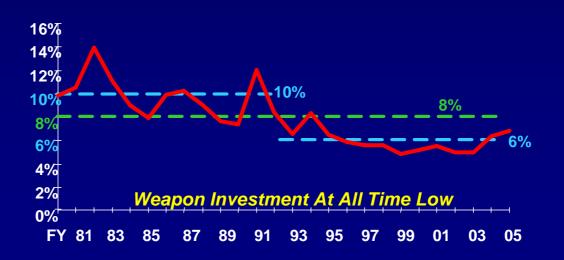
Commander's Perspective



- 1st Air Armament Summit -- A SIGNATURE Event
 - Emergence of New Product Center
- Summito 1999 Recognized Opportunities & Challenges
 - Real Vinpathoes Not
- Flexible Employment
 - What Do We Have?Resources Tight, but

 - What DonWetNeed?
 - How Do We Get There?







Into the New Millennium with Force and Fury!